

## Final Report

### CIF Project #397: Town of Aylmer Supply & Distribution of 22 Gallon Blue Boxes Development of P/E

Table 1: Project Summary

Municipality	
Amount of CIF Grant	\$ 18,125
Number of 22 Gallon Blue Boxes approved	3,500
Number of Blue Boxes distributed	2,646
Dates delivered (start and end)	April 16, 2012 – October 12, 2012
Increased tonnage attributed to the Town of Aylmer's new Solid Waste Management Program, including new Blue Boxes for the first 5 months of the program compared to same 5 month period from the previous three years (average).	207.22 – 132.38 = 74.84 tonnes  +56.53 % change

#### Background

- Total number of household units on curbside blue box program - 2,868, (includes both single family and multi-residential).
- Two-stream Recycling Program
- The Standard procedures for providing/replacing blue boxes before and after this project are as follows;

The majority of the larger Blue Boxes were delivered door to door under the new program. For any properties that did not receive a blue box under the initial distribution program, the Town subsequently made arrangements with the property owner to drop off a container and/or the property owner picked a blue box up at Townhall. All Blue Boxes under the program were provided for free of charge and will continue to be for any property owner requesting a blue box until the inventory purchased under the WDO/CIF Funded Program has been used up.

## **New Materials**

The Town expanded the Blue Box Program by adding new program materials at the same time as providing new blue boxes. There were many new materials added to the program as a result of the Town utilizing the City of London's new Regional MRF. The Town's new Solid Waste Management Program commenced on May 01, 2012 to coincide with the larger Blue Box Program. Under the new program, the Town also provided for weekly pick-up of recyclables up from bi-weekly and went to a 3 garbage bag limit down from the 4 bag limit under the old program.

The following is a list of new materials that were added.

### **MIXED PAPER FIBRES**

- Cardboard – including pizza & other corrugated boxes.
- Boxboard – including molded pulp & excluding waxed paperboard.

### **MIXED CONTAINERS**

- #3 PVC (Vinyl) - rigid household liquid, food or beverage containers.
- #4 LDPE (Low Density Polyethylene) - rigid household liquid, food or beverage containers.
- #5 PP (Polypropylene) - rigid household liquid, food or beverage containers.
- #6 PP (Polystyrene) - rigid household liquid, food or beverage containers, excluding expanded polystyrene (e.g. foam cups and meat trays).
- #7 Other Plastics - rigid household liquid, food or beverage containers.
- Polycoated Paperboard Containers – Containers made primarily of paperboard and coated with low density polyethylene and/or aluminum, and used for food and beverages. Includes gabletop (eg milk & juice containers) & drinking boxes.
- Spiral Wound (Cardboard) Cans – Composite (cardboard) cans with a single wrap rigid body involving several layers of materials (including paper, foil, and plastics) with at least one steel end (eg, frozen juice containers).
- Steel – Empty paint cans, empty aerosol cans.

## Promotion

The Town's new Solid Waste Program which included the new larger Blue Boxes was promoted as follows;

- Newspaper ads
- Flyer inserts in utility & tax invoicing.
- 4 page generic multi-community recycling flyer, 2 page town program flyer with fridge magnet was distributed with all new larger blue boxes.
- The Town promoted the new "Solid Waste Management Program" at the East Elgin's annual "Home & Garden Show" (display booth, literature, magnets etc.) in late April 2012.
- Member's of the Town's Environmental Advisory Committee made arrangements and did presentations at all the Town's Elementary School's educating the children on the new program, materials, proper sorting and new blue boxes.
- The Town worked co-operatively with City of London and other participating Communities with the design, printing, promotion and distribution of all P/E Materials and Blue Boxes.
- Please see attached, samples of P&E used.

## Method of Distribution

- The Town hired the Town's Waste/Blue Box Collection Contractor to deliver the new larger blue boxes with P/E Information packages door-to-door. The delivery unit cost was \$1.50 per/household. The Town's Contractor started delivering the new larger Blue Boxes with P/E Materials two weeks before the commencement of the new program and the delivery took about one week to complete. The delivery of the new blue boxes went extremely well with no major issues.
- For any properties that were missed, or for any new property owner's moving into Town, Town staff made arrangements to deliver the blue boxes with P/E materials and/or the property owner picked them up at Townhall free of charge.

## Tonnage Results

The implementation of the Town of Aylmer's new Solid Waste Management Program which included the addition of the new blue boxes made a significant impact on the overall tonnages of blue box materials collected.

Table 2: Tonnes collected before & after the new program with delivery of Blue Boxes



	May	June	July	Aug	Sept	Overall Average
Previous 3 year Average (tonnes)	25.26	27.70	28.94	25.91	24.57	26.48
* 2012 (tonnes)	48.28	39.33	37.99	42.85	38.77	41.44
Tonnage Difference	+23.02	+11.63	+9.05	+16.95	+14.20	+14.96
% Difference	91.13	41.99	31.27	65.38	57.79	56.50

\* Indicates months under the new program which included the delivery of the new Blue Boxes.

## Project Budget

Table 3: Project Budget

	Per unit cost	Quantity	Total (cost x quantity)
Blue Box	\$5.13	2,642	\$15,592.85
Distribution	\$1.64	2,642	\$4,330.73
P&E Costs	\$1.88	2,642	\$4,978.44
Total	\$8.65	2,642	\$24,902.02

Note: All cost totals include taxes.